

Deliverable 2 Submission

Server Specifications



Ubuntu Login Screen



Questions

3. **What is the IP address of your Ubuntu Server Virtual Machine?** To find the IP address of your Ubuntu Server Virtual Machine, you can use the command:

```
ip a
```

This will list all the network interfaces and their IP addresses.

4. **How do you enable the Ubuntu Firewall?** You can enable the Ubuntu Firewall using the following command:

```
sudo ufw enable
```

5. **How do you check if the Ubuntu Firewall is running?** To check if the Ubuntu Firewall is running, use the command:

```
sudo ufw status
```

6. **How do you disable the Ubuntu Firewall?** To disable the Ubuntu Firewall, you can use:

```
sudo ufw disable
```

7. **How do you add Apache to the Firewall?** To allow Apache through the firewall, use the command:

```
sudo ufw allow 'Apache'
```

8. **What is the command you used to install Apache?** The command to install Apache is:

```
sudo apt install apache2
```

9. What is the command you use to check if Apache is running? To check if Apache is running, use:

```
sudo systemctl status apache2
```

10. What is the command you use to stop Apache? To stop Apache, use:

```
sudo systemctl stop apache2
```

11. What is the command you use to restart Apache? To restart Apache, use:

```
sudo systemctl restart apache2
```

12. What is the command used to test Apache configuration? To test the Apache configuration for syntax errors, use:

```
sudo apache2ctl configtest
```

13. What is the command used to check the installed version of Apache? To check the installed version of Apache, use:

```
apache2 -v
```

14. What are the most common commands to troubleshoot Apache errors? Provide a brief description of each command.

- `sudo systemctl status apache2`: Checks the status of Apache and shows recent log entries.
- `sudo journalctl -xe`: Provides details of recent system activity logs, including Apache.
- `grep Error /var/log/apache2/error.log`: Filters and shows error messages from Apache's error log.

15. Which are Apache Log Files, and what are they used for? Provide examples and screenshots. Apache primarily uses two log files:

- **Access Log**: Records all requests processed by the server. Located at `/var/log/apache2/access.log`.

- **Error Log:** Records all errors that the server encounters. Located at `/var/log/apache2/error.log`. Screenshots and examples should show entries from these files to illustrate their usage in diagnosing issues.